

Title (en)

Apparatus and method for segmentation and time synchronization of the transmission of multimedia data

Title (de)

Einrichtung und Verfahren zur Segmentierung und zeitlichen Synchronisierung der Übertragung von Multimediadaten

Title (fr)

Dispositif et procédé pour la segmentation et synchronisation dans le temps des transmissions de données multimédia

Publication

EP 0725506 A3 20041208 (EN)

Application

EP 95480190 A 19951220

Priority

US 38290595 A 19950203

Abstract (en)

[origin: US5537408A] Method and apparatus are provided for transmitting a stream of multimedia digital data over a distribution communications network. A multimedia stream server segments the multimedia digital data stream into data blocks on a first boundary and a second boundary. The first boundary is a set number of transport system data packets and the second boundary is a transport system data packet including a timestamp. A scheduler schedules the segmented data blocks for transmission. The multimedia stream server decodes the segmented data blocks to locate the timestamps and matches the transmission of the located timestamp data block with a time value indicated by the timestamp. The set number of transport system data packets can be determined at connection setup and is not a predetermined value for all sessions. At the receiver, batch processing of received multimedia data can be provided.

IPC 1-7

H04J 3/06; **H04Q 11/04**

IPC 8 full level

H04N 7/26 (2006.01); **G06F 17/30** (2006.01); **G06F 19/00** (2006.01); **H04L 29/06** (2006.01); **H04N 7/24** (2011.01); **H04N 7/52** (2011.01); **H04N 21/2343** (2011.01); **H04N 21/2368** (2011.01); **H04N 21/2381** (2011.01); **H04N 21/242** (2011.01); **H04N 21/2543** (2011.01); **H04N 21/262** (2011.01); **H04N 21/43** (2011.01); **H04N 21/434** (2011.01); **H04N 21/4363** (2011.01); **H04N 21/438** (2011.01); **H04N 21/472** (2011.01); **H04N 21/643** (2011.01); **H04N 21/845** (2011.01); **H04N 21/8547** (2011.01); **H04Q 3/00** (2006.01); **H04Q 11/04** (2006.01); **H04J 3/06** (2006.01); **H04L 12/56** (2006.01); **H04L 29/08** (2006.01)

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Citation (search report)

- [A] EP 0577329 A2 19940105 - AMERICAN TELEPHONE & TELEGRAPH [US]
- [X] JEFF LYNCH, LEVENT GUN: "Encapsulating MPEG-2 TS packets into AAL PDUs", ATM FORUM TECHNICAL COMMITTEE, 2 December 1994 (1994-12-02), pages 1 - 7, XP002296909
- [A] JEFF LYNCH, STEVE VANDERLINDEN, SUBIR VARMA: "QoS considerations in a push server environment", ATM FORUM TECHNICAL COMMITTEE, 29 September 1994 (1994-09-29), pages 1 - 8, XP002296910
- [A] SINGH R P ET AL: "JITTER AND CLOCK RECOVERY FOR PERIODIC TRAFFIC IN BROADBAND PACKET NETWORKS", IEEE TRANSACTIONS ON COMMUNICATIONS, IEEE INC. NEW YORK, US, vol. 42, no. 5, 1 May 1994 (1994-05-01), pages 2189 - 2196, XP000447910, ISSN: 0090-6778

Cited by

CN105847977A; CN109587551A; EP0779725A3; US6791986B1; US6977934B1; WO2017166492A1; WO9833354A1; WO2008051891A3; WO0027087A1

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